

**ABSTRACT OF THE DISCLOSURE**

A scale that includes a first base body having a first non-magnetizable support and a first set of magnetic elements that are arranged laterally next to the first non-magnetizable support, are magnetized in a single identical direction and are arranged in a measuring direction. A second base body having a second non-magnetizable support and a second set of magnetic elements that are arranged laterally next to the second non-magnetizable support, are magnetized in the single identical direction and are arranged in the measuring direction. The first base body and the second base body are put together such that in the measuring direction alternating ones of the first and second sets of magnetic elements are arranged and the first and second sets of magnetic elements have different magnetic orientations with respect to each other.